FILING DATE



EXAMINER

0-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ISSUE

ATTY. DOCKET NO. SERIAL NO. 313-008-2 09/772,016

APPLICANT

F.J. Maquire

FILING DATE

Jan. 29, 2001

GROUP 2614

(Use several sheets if necessary) (37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

INIT			DC	cu	ME	NT	NU	МВ	ER	DATE	PATENTEE	CLASS	SUBCLASS	IF APRO	PRIATE
$\overline{\mathcal{M}}$	U		5	0	7	2	2	1	8	12/91	Spero et al		-		
			3	5	4	2	4	5	7	11/70	Balding et al				
			3	0	5	0	8	7	0	8/62	Heilig				
\perp			2	9	5	5	1	5	6	10/60	Heilig				
			4	0	3	4	4	0	1	7/77	Mann				
			4	0	2	8	7	2	5	6/77	Lewis				
			4	5	1	3	3	1	7	4/85	Ruoff, Jr.				
			3	9	5	3	1	1	1	4/76	Fischer et al				
			3	5	0	7	9	8	8	4/70	Holmes	-			
			4	0	4	8	6	5	3	9/77	Spooner				
	1		4	3	1	5	2	4	0	2/82	Spooner		_		
Ü										FOREIGN P	ATENT DOCUMENTS				
										PUBLICATION					LATION
			DC	CU	ME	NT	NU	ME	BER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
W	4	1	0	6	5	5	6	4	0	5/31/95	EPO	***********			
	1	(5	5	6	9	2	4		3/9/93	Japan	~			
		-	5	2	1	1	6	2	5	8/20/93	Japan				
			4	2	1	5	5	2	3	1/21/93	Germany	_	_		-

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

Great Britain

5/4/94

	T	'A head-mounted three dimensional display," Ivan E. Sutherland,
ny l		1968, Fall Joint Computer Conference
1/	,	'A Review and Investigation of Aiming and Tracking Performance
	7	with Head-Mounted Sights," Wells and Griffin, IEEE Trans. on
	5	Systems, Man, and Cybernetics, Vol. SMC-17, No. 2,
		March/April 1987
EXAMINER		DATE CONSIDERED



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

313-008-2 APPLICANT

09/772,016

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

F.J. Maguire

FILING DATE

GROUP

(37 CFR 1.98(b))

(Use several sheets if necessary)

Jan. 29, 2001

2614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOG	CUI	ΜEI	NΤ	NU	МВ	ER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
JMI	j	4	3	1	5	2	4	1	2/82	Spooner			
		4	3	4	9	8	1	5	9/82	Spooner		-	
		4	2	8	3	1	7	7	8/81	Kron et al)		
		4	8	2	3	2	7	1	4/89	Clark et al	-	_	
		3	5	7	6	9	4	5	5/71	Ebeling			
		3	8	8	3	2	3	5	5/75	Lynn et al			
		5	1	7	5	6	1	6	12/92	Milgram et al		-	
		4	1	9	7	8	5	5	4/80	Lewin			
		4	3	7	5	6	7	4	3/83	Thornton			
$X \cap X$		4	5	8	6	5	1	5	5/86	Berger			
		3	7	1	2	7	1	6	1/73	Cornsweet et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBE							PUBLICATION				1	TRANSLATION	
	DC	CU	JME	NT	NU	JME	3ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
W	3	2	9	2	0	9	3	12/24/91	Japan			Х		

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

			"Effortless computing: the eyes have it", SCIENCE,
W		/	April 1986, page 12
			"Stereo Eye Movement," Davi Geiger and Alan Yuille,
			Jan. 1988, MIT Artificial Intelligence Laboratory,
\mathcal{N}	·		AI Memo No. 927
,			

EXAMINER

DATE CONSIDERED



M PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

313-008-2 APPLICANT 09/772,016

INFORMATIO	N DISCLOSURE
STATEMENT	BY APPLICANT

F.J. Maguire

FILING DATE

GROUP 2614

(Use several sheets if necessary) (37 CFR 1.98(b))

Jan. 29, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DC	cu	ME	NT	NU	IME	BER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
W	3	7	8	6	4	5	8	1/74	Horner et al			
	3	9	1	7	4	1	2	11/75	Stoutmeyer et al			
	5	1	3	0	7	9	4	7/92	Ritchey			
	4	6	7	2	4	3	8	6/87	Plante et al			
	 4	7	5	7	3	8	0	7/88	Smets et al			
	4	1	0	9	1	4	5	8/78	Graf			
	4	8	5	3	7	6	4	8/89	Sutter			
	3	4	ம	0	4	6	6	6/69	Streisinger			
	4	5	6	1	4	4	8	12/85	Buchas			
	4	1	9	9	7	8	5	4/80	McCullough et al			
	4	2	3	1	0	6	6	10/80	Merchant			

FOREIGN PATENT DOCUMENTS

								PUBLICATION					LATION
	DC	CL	JME	NT	NU	JME	BER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	T	T	Г				Н			-			
 	\vdash	\vdash	H				H		100				<u> </u>
	<u> </u>	_	<u> </u>	_									ļ

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

\mathcal{W}	.		Z	"Image Focusing In Space and Time," M.W. Siegel, CMU-RI-TR-88-2
				Intelligent Sensors Lab, The Robotics Institute,
$\overline{\mathcal{I}}$	7			Carnegie Mellon University, Feb. 1988
		-		Fakespace Labs BOOM 3C, product description dated 9 February 1994
,			Г	,

EXAMINER

DATE CONSIDERED

3/23/04

AUG	7 5 T		Ales Sol	177		(;	Sheet <u>4</u>	of <u>8</u>	
FORMAPTO)-1449	ۍ (S	U.S	S. DE	PAP	TME	ENT	OF COMMERCE PATE	NT	ATTY. DOCK	ET NO.		SEF	IAL NO.		
FORM PTC	TRAD	ENG		AN	D TE	RADE	EMA	RK C	OFFICE		313-0	08-2		0.9	9/772,0	16	
						DIS					APPLICANT	r		L		,	
	S	TAT	ΓEΜ	IEN	ТВ	Y AI	PPL	ICA	NT			Maguire	9				
	(U	se s	eve	ral s	shee	ets i	if ne	ces	sary)		FILING DAT			GR	OUP		
(37 CFR 1.9	98(b))										Jan.	29, 200)1	26	514		
									U.S. PAT	EN'	L DOCUM	IENTS					
EXAMINER INITIAL İ		DO	יכוו	ME	NT	NU	IME	ER.	ISSUE DATE		PATEN'	TEE	CLAS	20	SUBCLASS		DATE
111		3	8		_		9		3/75	N	Merchant		-				
WY		3	8			5	-	1	11/74		Merch						
		3	5	_	_	2	8	6	7/71		Altm						
		3	3	7	+=-	8		5	4/68		Nor		ļ				
		3	4	7	3	-	6	8	10/69		Young e		-	_			
		2	1	6	_	5	-	6	8/39		Goldsm		٠.	_			
		3	3	7	9	-		3	4/68		Hecker						
		5	0	4	9	9	8	8	9/91		Sefton						
A		4			2	2	7	8	1/91		Dahl e						
		3		6		6	Ó	4	8/69		Masc						
VV		4	8	1	9	0	6	4	4/89		Dine	er	_				
			Ψ_						FOREIGN PA	ATE	NT DOC	JMENTS			· · · · · · · · · · · · · · · · · · ·		
									PUBLICATION							TRANS	LATION
		DO	CU	ME	NT	NU	ME	BER	DATE		COUNT	ΓRY	CLAS	S	SUBCLASS	YES	NO
																_	
		H					Н							-			
		Н			H	Н	\vdash						-				
		Ш				Ц											
						П											
															,		
OTH	IER C								iding Author,							cation)
			"A	T)	hr	ee —	D:	i me	ensional Ele	ect	ronic Re	etina Ar	chited	tu	re,"		
WY			G.	S	al	ada	a,	MS	SEE Thesis,	US	Air For	rce Inst	itute	of			
			Te	ch	no.	log	зу,	, I	December 19	87,	AFIT/G	CS/ENG/8	7D-23				
		П						-									
	-	H															

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

OIF	E	m N									ATTY, DOCKET NO.	•		Sheet_5	of <u>8</u>	
PORM PTO (Margied))-1449	ہ فو	3 /						OF COMMERCE PATE OFFICE	NT	313-008-2			9/772,0	116	
(Martied)	TRAD	OF O	PM	ΔΤΙ	ΩN	פוח	ירו נ	วรบ	DE		APPLICANT			7, 1,2,0		
	S	TA									F.J. Maguire	<u>!</u>				
	"			1			••				FILING DATE		GR	OUP		
(37 CFR 1.9		se s	eve	rai :	snee	ets	IT NE	eces	sary)		Jan. 29, 200	1	26	514		
		•••							U.S. PAT	EN.	T DOCUMENTS					
EXAMINER		Γ							ISSUE			T				DATE
INITIAL		DC	CU	IME	NT	ΝL	JME	BER	DATE		PATENTEE	CLAS	s	SUBCLASS	IF APRO	OPRIATE
-MM		4	1	8	9	7	4	4	2/80		Stern	ى				
V		3	7	4	6	7	8	2	7/73		Driskell		_			
	<u> </u>	4	2	4	6	6	0	5	1/81		La Russa	_				
		5	2	9	6	8	8	8	3/94		Yamada					
		5	2	4	5	3	7	1	9/93		Nagano et al	ļ				
		5	3	6	3	2	4	1	11/94		Hegg et al	1				
		5	1	2	5	7	3	3	6/92		Lee		_			_
		5	3	6	5	3	7	0	11/94		Hudgins		_			
		5	2	5	2	9	5	0	10/93	22	Saunders et al		,			
	/	4	9	7	9	0	3	3	12/90		Stephens	1	-	-		
		4	4	0	5	9	4	3	9/83		Kanaly		~			
V							_		FOREIGN PA	ATE	NT DOCUMENTS					
		DO	CU	ME	NT	NU	JME	BER	PUBLICATION DATE		COUNTRY	CLAS	S	SUBCLASS	TRANS YES	LATIO NO
	$\vdash \vdash$	Н	\vdash	\vdash	\vdash	├	┢	Н	-							

	DC	CU	ME	NT —	ΝU	JME	BER	DATE		COUNTRY	,	CLASS	SUBCLASS	YES	
	\top	<u> </u>	Н		_										T
- 		_	Н	H		-	$\vdash \vdash$		+						┢
	+	ļ		Щ			\sqcup								-
				Ш			Ш								L

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

News Release, Nov. 14, 1994, "Telepresence Research Creates

'Virtual Brewery Adventure'" to immerse visitors in

Sapporo Beer, Portola Valley, California

EXAMINER DATE CONSIDERED 3 24 04



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

GROUP

2614

313-008-2 APPLICANT 09/772,016

INFORMATIO	N DISCLOSURE
STATEMENT	BY APPLICANT

F.J. Maguire

(Use several sheets if necessary)

Jan. 29, 2001

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER					JMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
VVV		4	5	1	6	1	5	7	5/85	Campbell			
		3	3	3	6	5	8	7	8/67	Brown		_	
		3	2	3	4	3	2	7	2/66	McMann)		
		3	6	6	3	0	9	8	5/72	Merchant		_	
		3	1	1	3	1	8	0	12/63	Bingley et al			
		4	2	0	9	2	5	5	6/80	Heynau et al			
		4	5	5	9	5	5	5	12/85	Schoolman	-		
		3	8	6	4	0	3	0	2/75	Cornsweet	1		
		4	1	9	0	3	3	2	2/80	Body et al)		
	/	4	9	6	7	2	6	8	10/90	Lipton et al	1		
IV		5	4	3	6	6	3	8	7/95	Bolas et al			

FOREIGN PATENT DOCUMENTS

								PUBLICATION				TRANSLATION	
	DC	OCUMENT NUMBER				JME	BER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

OTHER DOCUMENTS (Including Author Title Date Relevant Pages Place of Publication)

OTHER	DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publica	ition)
<u></u>	 	
, l		
AMINER	DATE CONSIDERED ,	
	2/24/02/	



U.S. DEPARTMENT OF COMMERCE PATENT

AND TRADEMARK OFFICE

ATTY. DOCKET NO. 313-008-2

APPLICANT

SERIAL NO.

09/772,016

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

F.J. Maguire

FILING DATE

GROUP

(Use several sheets if necessary) Jan. 29, 2001 2614 (37 CFR 1.98(b)) **U.S. PATENT DOCUMENTS EXAMINER ISSUE FILING DATE** IF APROPRIATE DOCUMENT NUMBER **SUBCLASS** INITIAL DATE **PATENTEE** CLASS 4/98 Tabata et al Horton et al 3/97 2/95 Kalawsky 9/82 Harvey et al 8 6/95 Frankel Berke et al 12/81 1/87 Neves et al 9 7/01 Kawamura et al 8/96 6 Yokota Patterson 5/01 8/98 Helman **FOREIGN PATENT DOCUMENTS** PUBLICATION TRANSLATION DOCUMENT NUMBER DATE COUNTRY **CLASS** SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) **EXAMINER** DATE CONSIDERED



U.S. DEPARTMENT OF COMMERCE PATENT

AND TRADEMARK OFFICE

ATTY. DOCKET NO. 313-008-2 SERIAL NO.

09/772,016

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

F.J. Maguire

FILING DATE

APPLICANT

GROUP 2614

(Use several sheets if necessary)

(37 CFR 1.98(b))

Jan. 29, 2001

U.S. PATENT DOCUMENTS

									0.5.171	LIVI DOCOMENTO			
EXAMINER INITIAL		DOCUMENT NUMBER						BER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
W		5	6	9	5	4	0	6	12/97	Park			
		6	0	5	6	3	6	2	5/00	de la Haye			
		5	6	7	1	0	3	7	9/97	Ogasawara et al			
		5	6	4	2	3	0	2	6/97	Dumont et al			
		5	7	9	2	0	3	1	8/98	Alton			
	$\perp L$												
		_											
							L						

FOREIGN PATENT DOCUMENTS

								PUBLICATION				TRANSLATION	
	DC	CU	CUMENT NUMBER				BER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
					Г								
 -	\vdash	-		┝	_	┝	┝					_	
 	<u> </u>		<u> </u>	L									

0	THER DOCUMENTS (Includi	ng Author, Title, Date, Relevant Pages, Place of Publication)
,		•
EXAMIN	ER /	DATE CONSIDERED
	/	